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20. Measuring Fingertip Forces by Imaging the Fingernali Yu Sun; Hollerbach, J.M.; Mascaro, S.A.; Virtual Reality, 2006. IEEE 25-29 March 2006 Page(s):88 - 88 Digital Object Identifier 10.1109/VR.2006.97

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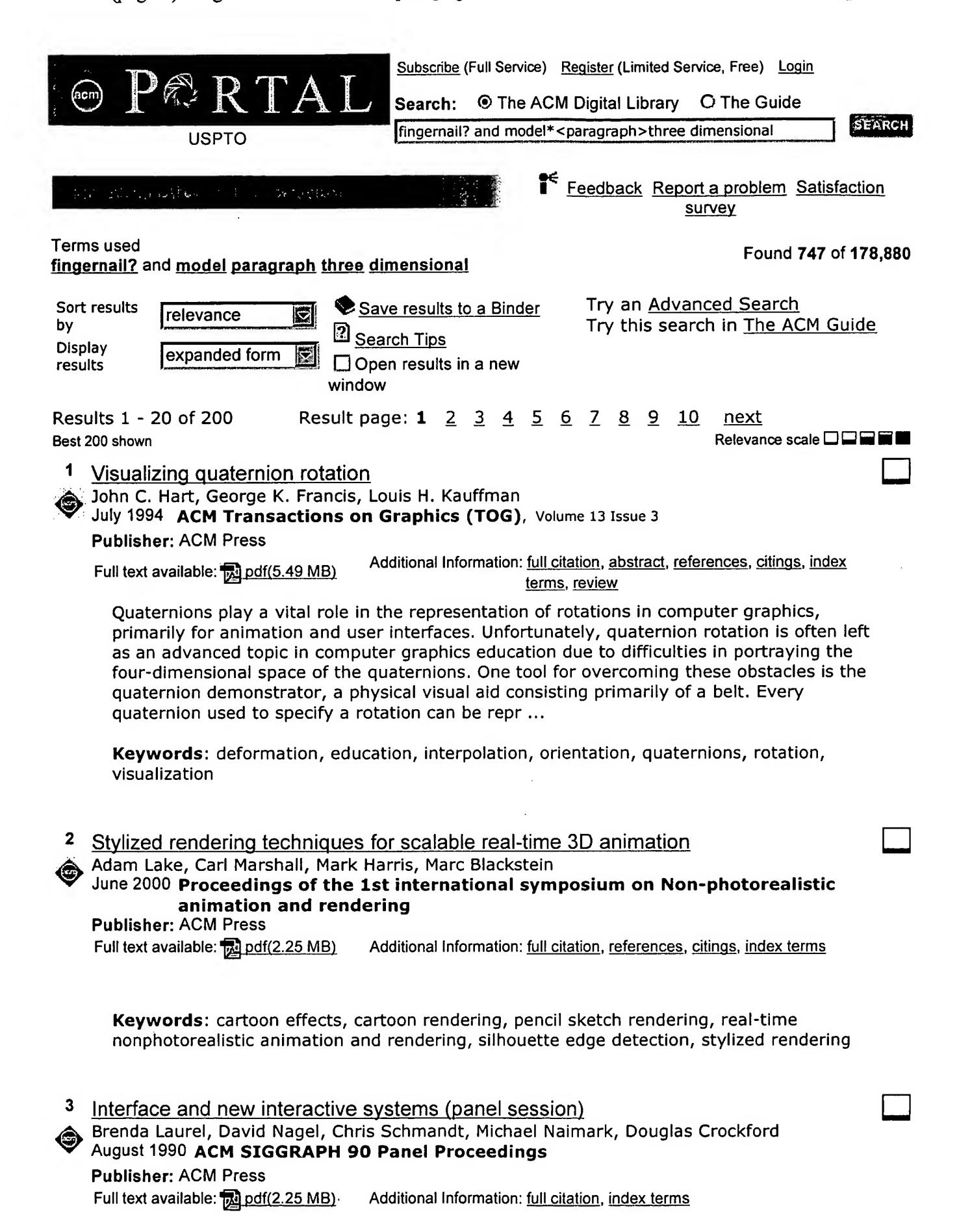
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IEE CNF	IEE Conference Proceeding	26. Turning unorganized points into contours
IEEE STD	IEEE Standard	Yong Zhou; Toga, A.W.;  Computer Graphics and Applications, 2000, Proceedings, The Eighth Pacific Conference on 3-5 Oct. 2000 Page(s):243 - 448  Digital Object Identifier 10.1109/PCCGA.2000.883947
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4	Unconventional human computer interfaces	
•	Steffi Beckhaus, Ernst Kruijff August 2004 Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04	
	Publisher: ACM Press Full text available: pdf(2.89 MB) Additional Information: full citation, abstract	
	This course focuses on how we can use the potential of the human body in experimental or unconventional interface techniques. It explores the biological or physiological characteristics of the separate parts of the body, from head to toe, and from skin to heart, showing how their sensor (input) and control (output) capabilities can be applied to human computer interfaces. We demonstrate a wide variety of applications that make use proven interfaces as well as extremely experimental systems. Exam	
5	Biological applications: An efficient genetic algorithm for predicting protein tertiary structures in the 2D HP model  Thang N. Bui, Gnanasekaran Sundarraj  June 2005 Proceedings of the 2005 conference on Genetic and evolutionary computation GECCO '05  Publisher: ACM Press	
	Full text available: pdf(153.17 KB) Additional Information: full citation, abstract, references, index terms	
	Given the amino acid sequence of a protein, predicting its tertiary structure is known as the protein folding problem. This problem has been widely studied under the HP model in which each amino acid is classified, based on its hydrophobicity, as an H (hydrophobic or non-polar) or a P (hydrophilic or polar). Conformation of a protein in the HP model is embedded as a self-avoiding walk in either a two-dimensional or a three-dimensional lattice. The protein folding problem in the HP model is to fi	
	Keywords: 2D HP model, genetic algorithm, protein folding problem	
6	Programming pearls: the envelope is back  Jon L. Bentley  March 1986 Communications of the ACM, Volume 29 Issue 3	
	Publisher: ACM Press	
	Full text available: pdf(755.04 KB) Additional Information: full citation, index terms	
7	SpeechSkimmer: a system for interactively skimming recorded speech  Barry Arons March 1997 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 4 Issue	
	Publisher: ACM Press	
	Full text available: pdf(1.03 MB)  Additional Information: full citation, abstract, references, citings, index terms, review	
	Listening to a speech recording is much more difficult than visually scanning a document because of the transient and temporal nature of audio. Audio recordings capture the richness of speech, yet it is difficult to directly browse the stored information. This article describes techniques for structuring, filtering, and presenting recorded speech, allowing a user to navigate and interactively find information in the audio domain. This article describes the SpeechSkimmer system for interacti	

Keywords: audio browsing, interactive listening, nonspeech audio, speech as data,

	speech skimming, speech user interfaces, time compression	
8	Cloth & deformable bodies: Discrete shells  Eitan Grinspun, Anil N. Hirani, Mathieu Desbrun, Peter Schröder  July 2003 Proceedings of the 2003 ACM SIGGRAPH/Eurographics symposium on Computer animation SCA '03  Publisher: Eurographics Association  Full text available: pdf(11.40 MB)  Additional Information: full citation, abstract, references, citings, index terms	
	In this paper we introduce a discrete shell model describing the behavior of thin flexible structures, such as hats, leaves, and aluminum cans, which are characterized by a curved undeformed configuration. Previously such models required complex continuum mechanics formulations and correspondingly complex algorithms. We show that a simple shell model can be derived geometrically for triangle meshes and implemented quickly by modifying a standard cloth simulator. Our technique convincingly simula	
9	Virtual and augmented reality: FingARtips: gesture based direct manipulation in	
	Augmented Reality Volkert Buchmann, Stephen Violich, Mark Billinghurst, Andy Cockburn June 2004 Proceedings of the 2nd international conference on Computer graphics and interactive techniques in Australasia and South East Asia GRAPHITE '04	
	Publisher: ACM Press	
	Full text available: pdf(590.58 KB) Additional Information: full citation, abstract, references, index terms	
	This paper presents a technique for natural, fingertip-based interaction with virtual objects in Augmented Reality (AR) environments. We use image processing software and fingerand hand-based fiducial markers to track gestures from the user, stencil buffering to enable the user to see their fingers at all times, and fingertip-based haptic feedback devices to enable the user to feel virtual objects. Unlike previous AR interfaces, this approach allows users to interact with virtual content using	
	Keywords: Augmented Reality, gesture interaction, occlusion	
10 <b>(</b>	Art papers: Interactive wallpaper  Jeffrey Huang, Muriel Waldvogel  August 2005 Proceedings of the ACM SIGGRAPH 05 electronic art and animation  catalog GRAPH '05  Publisher: ACM Press	
	Full text available: pdf(408.90 KB) Additional Information: full citation, abstract, references	
	Interactive Wallpaper represents a new category of digital art. Deeply embedded into our built surroundings, interactive wallpapers exhibit the following characteristics, blurring the boundaries between decorative art and useful science: 1. They operate in everyday life2. They are open3. They are spatial.4. They are alive. Interactive wallpapers combine these primitives into powerful "immaterial" building blocks for creation of future spaces.	

11 Chat circles

Fernanda B. Viégas, Judith S. Donath

buildings, cities. In this paper, we present a series o ...

May 1999 Proceedings of the SIGCHI conference on Human factors in computing systems: the CHI is the limit

**Publisher: ACM Press** 

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Full text available: pdf(1.21 MB)

full citation, abstract, references, citings, index terms

Although current online chat environments provide new opportunities for communication, they are quite constrained in their ability to convey many important pieces of social information, ranging from the number of participants in a conversation to the subtle nuances of expression that enrich face to face speech. In this paper we present Chat Circles, an abstract graphical interface for synchronous conversa-tion. Here, presence and activity are made manifest by changes in color and form ...

**Keywords**: Internet, World Wide Web, chatroom, conversation, graphical history, social visualization, turn-taking

12 Forth: Tina: an improbable 3-pin microcontroller

Paul Frenger

February 2005 ACM SIGPLAN Notices, Volume 40 Issue 2

**Publisher: ACM Press** 

Full text available: pdf(550.74 KB) Additional Information: full citation, abstract, references, index terms

The twenty-first century is rapidly becoming the age of nanotechnology. Everything seems to be getting smaller these days, especially in the electronic and scientific fields. The fuelefficient Mazda Miata and Toyota MR2 have become the city commuter's must-have vehicles. The bulky boom-box has been replaced by the more socially responsible Apple iPod, with its miniscule rotating hard disk drive. The familiar 5-inch CD is being replaced by 3-inch versions, with smaller ones on the horizon. The p ...

13 First evaluation of a novel tactile display exerting shear force via lateral displacement



Knut Drewing, Michael Fritschi, Regine Zopf, Marc O. Ernst, Martin Buss April 2005 ACM Transactions on Applied Perception (TAP), Volume 2 Issue 2

Publisher: ACM Press

Full text available: pdf(4.14 MB) Additional Information: full citation, abstract, references, index terms

Based on existing knowledge on human tactile movement perception, we constructed a prototype of a novel tactile multipin display that controls lateral pin displacement and, thus produces shear force. Two experiments focus on the question of whether the prototype display generates tactile stimulation that is appropriate for the sensitivity of human tactile perception. In particular, Experiment I studied human resolution for distinguishing between different directions of pin displacement and Exper ...

**Keywords**: Haptic interfaces, psychophysics, shear force, tactile movement perception, tangential displacement

14 Computers and politics in China



Andrew C. Gordon

October 1978 ACM SIGSOC Bulletin, Volume 10 Issue 2-3

Publisher: ACM Press

Full text available: pdf(1.54 MB) Additional Information: full citation, abstract, references

Consider the following observations about the People's Republic of China: A team of "workers, peasants and soldiers" adhering in 1976 to the principle that "education must serve proletarian politics and be combined with productive labor," and working in a "simple workshop built through self-reliance" successfully developed a 1024-bit MOS random access memory chip for computers "with 5000 transistors on a chip one-fourth of the size of a fingernail."

15	Work-in-progress: Active CyberCode: a directly controllable 2D code
	Yuji Ayatsuka, Jun Rekimoto April 2006 CHI '06 extended abstracts on Human factors in computing systems CHI
	'06
	Publisher: ACM Press
	Full text available: pdf(973.86 KB) Additional Information: full citation, abstract, references, index terms
	Many augmented reality (AR) applications which overlay computer graphics on a real image have been developed. One of the limitations of such applications is that a user has to control CG objects, invoked by a realworld condition, using a traditional input device like a keyboard or mouse. We developed a directly controllable 2D code called Active CyberCode. A user can give commands by putting his/her finger on a printed button beside the code. The code has fixed and variable parts, and the variab
	Keywords: 2D code, CyberCode, direct manipulation
16	Some reflections on designing construction kits for kids
	Mitchel Resnick, Brian Silverman  June 2005 Proceeding of the 2005 conference on Interaction design and children IDC  '05
	Publisher: ACM Press
	Full text available: pdf(364.47 KB) Additional Information: full citation, abstract, references
	In this paper, we present ten guiding principles for designing construction kits for kids, informed by our experiences over the past two decades:* Design for Designers* Low Floor and Wide Walls* Make Powerful Ideas Salient Not Forced* Support Many Paths, Many Styles* Make it as Simple as Possible and Maybe Even Simpler* Choose Black Boxes Carefully* A Little Bit of Programming Goes a Long Way* Give People What They Want Not What They Ask For* Invent Things That You Would Want to Use You
	Keywords: construction kits, design, education, learning, metadesign
<b>4</b> =	
17	Computers and politics in China Andrew C. Gordon
	April 1979 ACM SIGCAS Computers and Society, Volume 9 Issue 3-4
	Publisher: ACM Press
	Full text available: pdf(1.04 MB) Additional Information: full citation, references, citings
18	Geometric representations and applications: Automated mixed dimensional modelling
٩	for the finite element analysis of swept and revolved CAD features
	T T Robinson, C G Armstrong, G McSparron, A Quenardel, H Ou, R M McKeag
	June 2006 Proceedings of the 2006 ACM symposium on Solid and physical modeling SPM '06
	Publisher: ACM Press
	Full text available: pdf(2.32 MB) Additional Information: full citation, abstract, references
	Thin-walled aerospace structures can be idealised as dimensionally reduced shell models.  These models can be analysed in a fraction of the time required for a full 3D model yet still

Thin-walled aerospace structures can be idealised as dimensionally reduced shell models. These models can be analysed in a fraction of the time required for a full 3D model yet still provide remarkably accurate results. The disadvantages of this approach are the time taken to derive the idealised model, though this is offset by the ease and rapidity of design optimisation with respect to parameters such as shell thickness, and the fact that the stresses in the local 3D details can not be resolve ...

	·	
<b>19</b>	Dimension Reduction in Text Classification with Support Vector Machines Hyunsoo Kim, Peg Howland, Haesun Park September 2005 The Journal of Machine Learning Research, Volume 6 Publisher: MIT Press	
	Full text available: pdf(138.56 KB) Additional Information: full citation, abstract, references	
	Support vector machines (SVMs) have been recognized as one of the most successful classification methods for many applications including text classification. Even though the learning ability and computational complexity of training in support vector machines may be independent of the dimension of the feature space, reducing computational complexity is an essential issue to efficiently handle a large number of terms in practical applications of text classification. In this paper, we adopt novel d	
20	Enhancing three-dimensional vision with three-dimensional sound	
	Daniel Dobler Philipp Stampfl	
	DAMELDONEL PUUDI SIAMON	

Daniel Dobler, Philipp Stampti August 2004 Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04

Publisher: ACM Press

Full text available: pdf(1.39 MB) Additional Information: full citation, abstract, references

This course offers a thorough introduction to three-dimensional, multi-channel sound. Three-dimensional sound has been neglected in most VR and AR applications, even though it can significantly enhance their realism and immersion. This course explains the main concepts and the most important terms, and provides a detailed overview of the currently available hardware and software. It combines theoretical and practical knowledge on how to apply these technologies in VR and AR systems.

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Cloth & deformable bodies: Discrete shells

Eitan Grinspun, Anil N. Hirani, Mathieu Desbrun, Peter Schröder

July 2003 Proceedings of the 2003 ACM SIGGRAPH/Eurographics symposium on Computer animation SCA '03

Publisher: Eurographics Association

Full text available: pdf(11.40 MB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> terms

In this paper we introduce a discrete shell model describing the behavior of thin flexible structures, such as hats, leaves, and aluminum cans, which are characterized by a curved undeformed configuration. Previously such models required complex continuum mechanics formulations and correspondingly complex algorithms. We show that a simple shell model can be derived geometrically for triangle meshes and implemented quickly by modifying a standard cloth simulator. Our technique convincingly simula ...

2 Biological applications: An efficient genetic algorithm for predicting protein tertiary



structures in the 2D HP model

Thang N. Bui, Gnanasekaran Sundarraj
June 2005 Proceedings of the 2005 conference on Genetic and evolutionary
computation GECCO '05

Publisher: ACM Press

Full text available: pdf(153.17 KB) Additional Information: full citation, abstract, references, index terms

Given the amino acid sequence of a protein, predicting its tertiary structure is known as the protein folding problem. This problem has been widely studied under the HP model in which each amino acid is classified, based on its hydrophobicity, as an H (hydrophobic or non-polar) or a P (hydrophilic or polar). Conformation of a protein in the HP model is embedded as a self-avoiding walk in either a two-dimensional or a three-dimensional lattice. The protein folding problem in the HP model is to fi ...

Keywords: 2D HP model, genetic algorithm, protein folding problem

3 Stylized rendering techniques for scalable real-time 3D animation

Adam Lake, Carl Marshall, Mark Harris, Marc Blackstein

June 2000 Proceedings of the 1st international symposium on Non-photorealistic animation and rendering

Publisher: ACM Press

Full text available: pdf(2.25 MB) Additional Information: full citation, references, citings, index terms

Keywords: cartoon effects, cartoon rendering, pencil sketch rendering, real-time nonphotorealistic animation and rendering, silhouette edge detection, stylized rendering

User interfaces for three-dimensional geometric modelling



A. R. Forrest

January 1987 Proceedings of the 1986 workshop on Interactive 3D graphics

Publisher: ACM Press

Full text available: pdf(1.27 MB)

Additional Information: full citation, abstract, references, citings, index terms

One of the biggest obstacles to the wider adoption of geometric modelling systems for three-dimensional objects is the relatively poor state of user interfaces. In geometric design, two forms of interface are required: one which permits rapid evaluation of the three-dimensional nature of an object and its relationship with other objects, and one which permits precise positioning and shaping of an object. Many systems provide one or the other but fail to provide both. The paper will address ...

5 <u>Visualizing quaternion rotation</u>



John C. Hart, George K. Francis, Louis H. Kauffman

July 1994 ACM Transactions on Graphics (TOG), Volume 13 Issue 3

Publisher: ACM Press

Full text available: pdf(5.49 MB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> terms, review

Quaternions play a vital role in the representation of rotations in computer graphics, primarily for animation and user interfaces. Unfortunately, quaternion rotation is often left as an advanced topic in computer graphics education due to difficulties in portraying the four-dimensional space of the quaternions. One tool for overcoming these obstacles is the quaternion demonstrator, a physical visual aid consisting primarily of a belt. Every quaternion used to specify a rotation can be repr ...

**Keywords**: deformation, education, interpolation, orientation, quaternions, rotation, visualization

E-commerce-models, structure, mechanisms, globalization, and strategy: The application of exchange oriented three-dimensional e-commerce model: cases based



explanation

Qi Li, Xianfeng Zhang

August 2005 Proceedings of the 7th international conference on Electronic commerce ICEC '05

Publisher: ACM Press

Full text available: pdf(366.59 KB) Additional Information: full citation, abstract, references, index terms

With the explosion of Internet users and the expansion of Internet applications, more and more entities will involve in electronic commerce activities. However, how to guide those companies, as well as organizations, to smoothly and successfully launch or run businesses turn to be a problem. On the ground of previous studies, the paper is to further elaborate the three-dimensional e-commerce model and explain how it can be adopted to guide practical applications. In the contents, the connotation ...

Keywords: application dimension, case, commerce chain, e-commerce, electronic

commerce, model

Interface and new interactive systems (panel session)



Brenda Laurel, David Nagel, Chris Schmandt, Michael Naimark, Douglas Crockford August 1990 ACM SIGGRAPH 90 Panel Proceedings

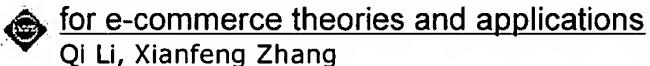
Publisher: ACM Press

Full text available: pdf(2.25 MB)

Additional Information: full citation, index terms

Innovation, management & strategy: Three dimensional model: an analyzing sketch





March 2004 Proceedings of the 6th international conference on Electronic commerce ICEC '04

Publisher: ACM Press

Full text available: pdf(304.13 KB) Additional Information: full citation, abstract, references, index terms

The sundry e-commerce related theoretic researches and practical application cases appear to have limitations in stressing the essence of e-commerce, depositing profound theories, and well guiding practices. Consequently, there still exists an urgent necessity for an integrated analyzing sketch of e-commerce. After clarifying such vital concepts like commerce (deal), commerce chain (deal chain), six flows, and application dimensions, the paper solves the problem through introducing a conceptual ...

Keywords: application dimension, commerce chain, commerce mode, e-commerce chain, three dimensional model

A muscle model for animation three-dimensional facial expression



**Keith Waters** 

August 1987 ACM SIGGRAPH Computer Graphics, Proceedings of the 14th annual conference on Computer graphics and interactive techniques SIGGRAPH **'87**, Volume 21 Issue 4

Publisher: ACM Press

Full text available: pdf(995.74 KB)

Additional Information: full citation, abstract, references, citings, index terms

The development of a parameterized facial muscle process, that incorporates the use of a model to create realistic facial animation is described. Existing methods of facial parameterization have the inherent problem of hard-wiring performable actions. The development of a muscle process that is controllable by a limited number of parameters and is non-specific to facial topology allows a richer vocabulary and a more general approach to the modelling of the primary facial expressions. A brief discu ...

Three-dimensional human display model



T. E. Potter, K. D. Willmert

April 1975 ACM SIGGRAPH Computer Graphics, Proceedings of the 2nd annual conference on Computer graphics and interactive techniques SIGGRAPH

**'75**, Volume 9 Issue 1

**Publisher: ACM Press** 

Full text available: pdf(185.67 KB) Additional Information: full citation, abstract, references, citings

A two-dimensional computer graphic display of a three-dimensional model depicting a human being is presented. The major body segments of the model are represented as non-uniform elliptic cylinders. The shadow outlines of these cylinders are displayed on the terminal screen and connected by circular arcs and straight lines to produce a realistic representation of a human being in any position. This human model was developed for the display of results of three-dimensional simulation programs which ...

11 Virtual and augmented reality: FingARtips: gesture based direct manipulation in



Augmented Reality

Volkert Buchmann, Stephen Violich, Mark Billinghurst, Andy Cockburn June 2004 Proceedings of the 2nd international conference on Computer graphics and interactive techniques in Australasia and South East Asia GRAPHITE '04

**Publisher: ACM Press** 

Full text available: pdf(590.58 KB) Additional Information: full citation, abstract, references, index terms

This paper presents a technique for natural, fingertip-based interaction with virtual objects in Augmented Reality (AR) environments. We use image processing software and fingerand hand-based fiducial markers to track gestures from the user, stencil buffering to enable the user to see their fingers at all times, and fingertip-based haptic feedback devices to enable the user to feel virtual objects. Unlike previous AR interfaces, this approach allows users to interact with virtual content using ...

**Keywords**: Augmented Reality, gesture interaction, occlusion

12 Helping users think in three dimensions: steps toward incorporating spatial cognition





in user modelling

Michael Eisenberg, Ann Nishioka, M. E. Schreiner

January 1997 Proceedings of the 2nd international conference on Intelligent user interfaces

Publisher: ACM Press

Full text available: pdf(943.90 KB) Additional Information: full citation, references, citings, index terms

Keywords: HyperGami, polyhedra, spatial cognition, user modelling

13 E-commerce-models, structure, mechanisms, globalization, and strategy: The design and analysis of three-dimensional e-business model





Ming Qi, Xianjun Huang

August 2005 Proceedings of the 7th international conference on Electronic commerce ICEC '05

Publisher: ACM Press

Full text available: pdf(306.85 KB) Additional Information: full citation, abstract, references, index terms

The paper analyzes the electronic check system based on threshold group signature quoted from document [1] then points out there are still problems in electronic check system applied in enterprises. And the dynamic threshold group signature scheme is a solution to these problems therefore, becomes the electronic check system based on dynamic threshold group signature.

**Keywords**: e-policy, three-dimensional EC, three-dimensional model

14 Watermaking three-dimensional polygonal models





Ryutarou Ohbuchi, Hiroshi Masuda, Masaki Aono

November 1997 Proceedings of the fifth ACM international conference on Multimedia

Publisher: ACM Press

Full text available: pdf(1.69 MB) Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Keywords: copyright protection, data hiding, digital fingerprinting, digital watermaking, steganography, three-dimensional geometrical modeling, three-dimensional graphics

15 Three dimensional tree grammars for the modeling of plants

Jeffrey J. McConneil
February 1988 Proceedings of the 1988 ACM sixteenth annual conference on **Computer science** 

Publisher: ACM Press

Full text available: pdf(488.88 KB) Additional Information: full citation, abstract, references, index terms

A system to generate pictures of plants requires a model for plant growth, that includes size and shape influences, and a renderer to produce images from the model output. The model of this two step process is examined, from a basis in botanical research. An enhancement of graph grammars to three dimensions is presented for the model of plant growth. A discussion of the use of these grammars to model plant growth examines the three botanical elements of phyllotaxis, branch orientation, and ...

16 Data modeling and security: An abstract model of three-dimensional spatial data



**types** 

Markus Schneider, Brian E. Weinrich

November 2004 Proceedings of the 12th annual ACM international workshop on Geographic information systems

**Publisher:** ACM Press

Full text available: pdf(208.71 KB) Additional Information: full citation, abstract, references, index terms

Although spatial objects of our world have an intrinsic three-dimensional (3D) nature, <i>3D data modeling</i> and <i>3D data management</i> have so far been neglected in spatial database systems and Geographical Information Systems, which map geometric data mainly to two-dimensional abstractions. But increasingly the third dimension becomes more and more relevant for application domains like pollution control, water supply, soil engineering, urban planning, and aviation. Larg ...

Keywords: 3D spatial data type, GIS, algebra, data model, spatial database

SpeechSkimmer: a system for interactively skimming recorded speech



Barry Arons

March 1997 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 4 Issue

Publisher: ACM Press

Full text available: pdf(1.03 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

Listening to a speech recording is much more difficult than visually scanning a document because of the transient and temporal nature of audio. Audio recordings capture the richness of speech, yet it is difficult to directly browse the stored information. This article describes techniques for structuring, filtering, and presenting recorded speech, allowing a user to navigate and interactively find information in the audio domain. This article describes the SpeechSkimmer system for interacti ...

Keywords: audio browsing, interactive listening, nonspeech audio, speech as data, speech skimming, speech user interfaces, time compression

18 Three-dimensional object recognition



Paul J. Besl, Ramesh C. Jain

March 1985 ACM Computing Surveys (CSUR), Volume 17 Issue 1

**Publisher: ACM Press** 

Full text available: pdf(7.76 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

A general-purpose computer vision system must be capable of recognizing threedimensional (3-D) objects. This paper proposes a precise definition of the 3-D object recognition problem, discusses basic concepts associated with this problem, and reviews the relevant literature. Because range images (or depth maps) are often used as sensor input instead of intensity images, techniques for obtaining, processing, and characterizing range data are also surveyed.

19 Three-dimensional medical imaging: algorithms and computer systems



M. R. Stytz, G. Frieder, O. Frieder

December 1991 ACM Computing Surveys (CSUR), Volume 23 Issue 4

Publisher: ACM Press

Full text available: pdf(7.38 MB)

Additional Information: full citation, references, citings, index terms, review

**Keywords**: Computer graphics, medical imaging, surface rendering, three-dimensional imaging, volume rendering

Computer graphics for large scale two- and three-dimensional analysis of complex





geometries

August 1979 ACM SIGGRAPH Computer Graphics, Proceedings of the 6th annual conference on Computer graphics and interactive techniques SIGGRAPH **'79**, Volume 13 Issue 2

Publisher: ACM Press

Full text available: pdf(1.38 MB) Additional Information: full citation, abstract, references, index terms

A comprehensive set of programs have been developed for analysis of complex two- and three-dimensional geometries in the Mechanical Engineering Department of the University of California's Lawrence Livermore Laboratory. State of the art finite element and hydrodynamic codes are being used for the analytical portion of the work. To assist the analytical effort, several additional codes which depend heavily on graphics have been developed. These are basically used for the pre- and post-proces ...

Keywords: Computer graphics, Engineering databases, Finite elements, Threedimensional applications

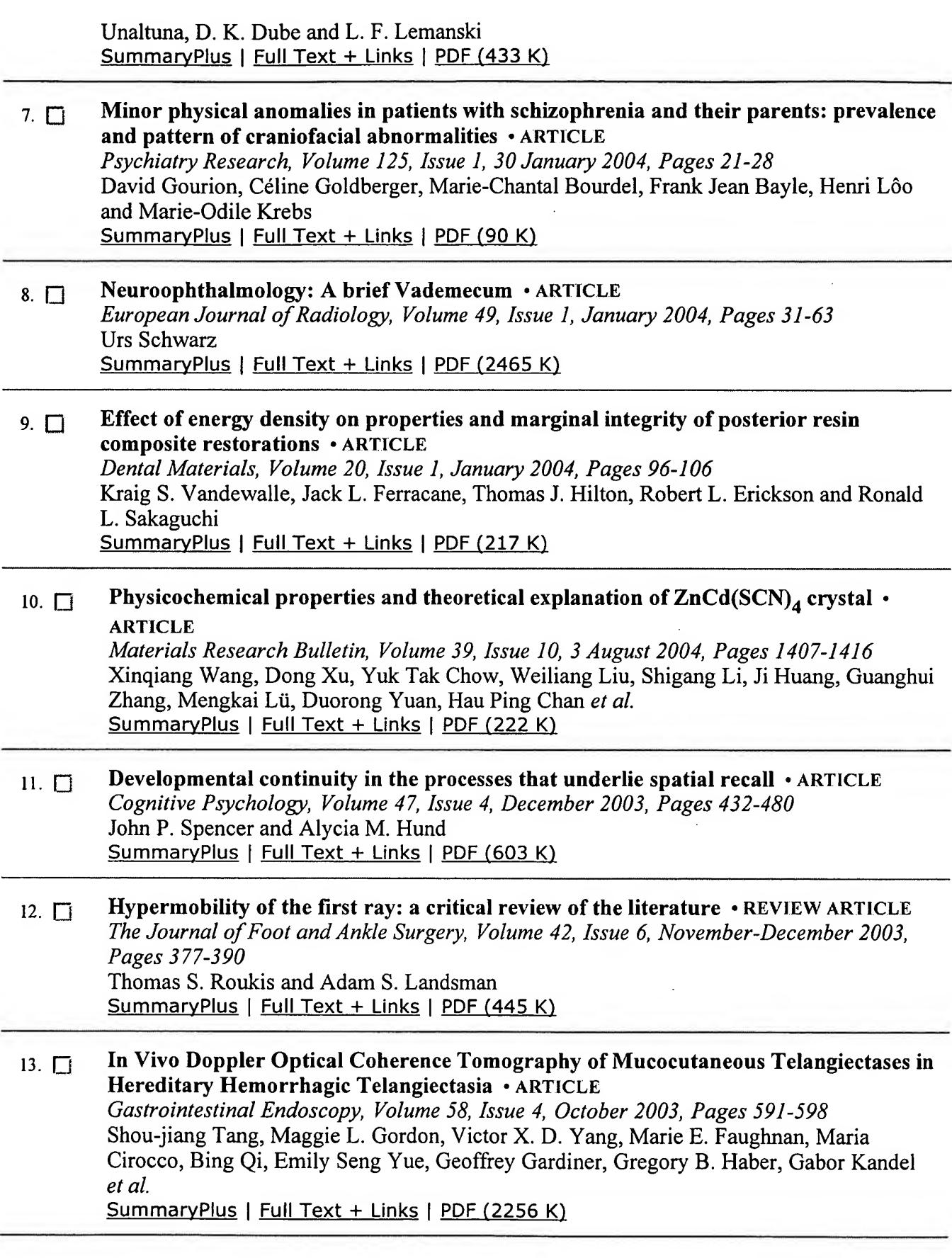
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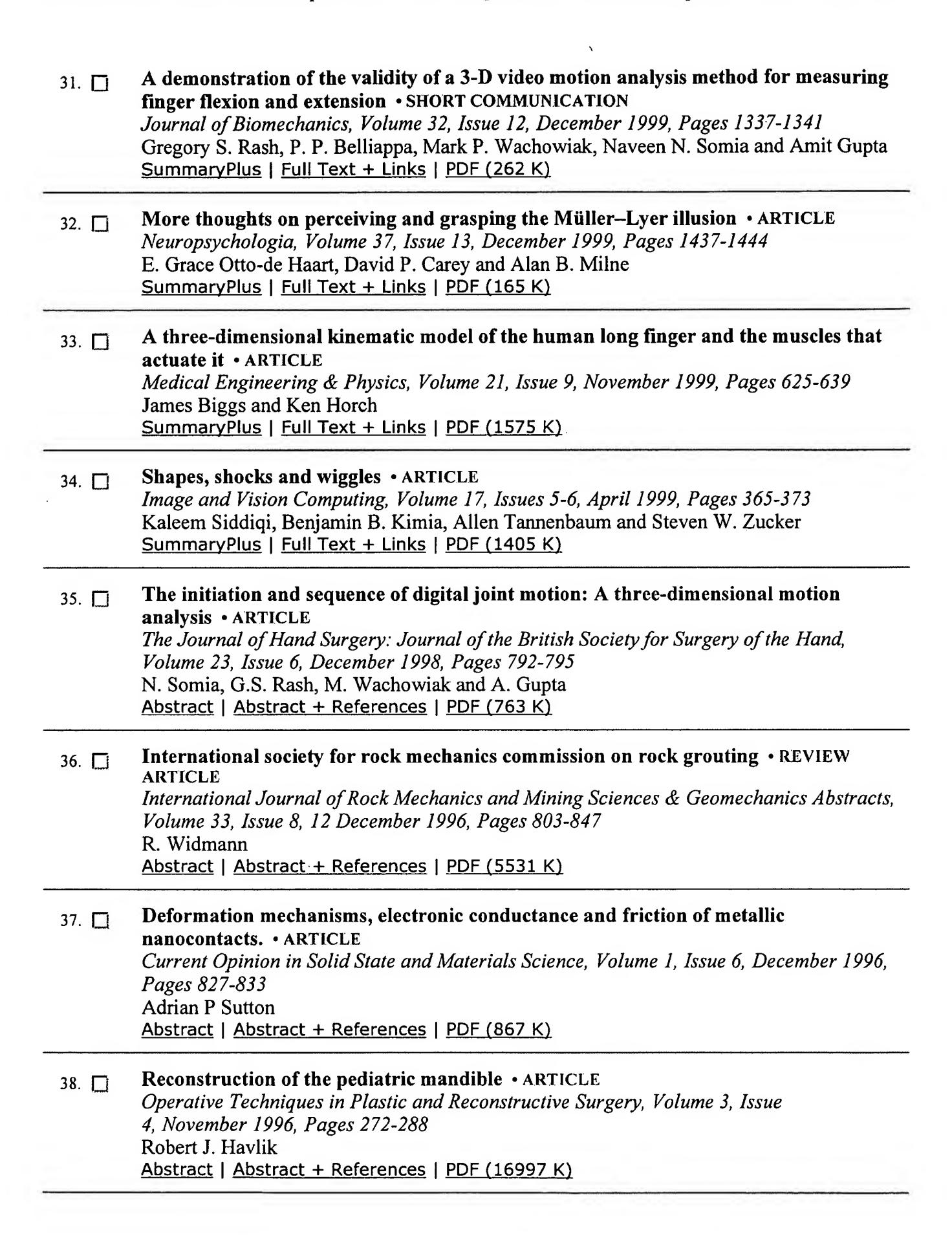
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Edit Sea	rch   Save Search   Save as Search Alert Search Withi
Article L	ist   Partial Abstracts   Full Abstracts
₽ dis	splay checked docs e-mail articles export citations Sort By: Date Go
1.	Poly (ethylene glycol) grafted nanoporous alumina membranes • ARTICLE  Journal of Membrane Science, Volume 243, Issues 1-2, 1 November 2004, Pages 97-106  Ketul C. Popat, Gopal Mor, Craig Grimes and Tejal A. Desai  SummaryPlus   Full Text + Links   PDF (498 K)
2.	Cutting cartilage—surgical perspective • CORRESPONDENCE  Osteoarthritis and Cartilage, Volume 12, Issue 10, October 2004, Pages 846-847  J. S. Huntley  SummaryPlus   Full Text + Links   PDF (113 K)
3.	Clinical forensic medicine and its main fields of activity from the foundation of the German Society of Legal Medicine until today • ARTICLE Forensic Science International, Volume 144, Issues 2-3, 10 September 2004, Pages 269-283
	S. Pollak SummaryPlus   Full Text + Links   PDF (222 K)
4.	A structural fingertip model for simulating of the biomechanics of tactile sensation • ARTICLE  Medical Engineering & Physics, Volume 26, Issue 2, March 2004, Pages 165-175  J. Z. Wu, R. G. Dong, S. Rakheja, A. W. Schopper and W. P. Smutz  SummaryPlus   Full Text + Links   PDF (775 K)
5.	A snake model for object tracking in natural sequences • ARTICLE  Signal Processing: Image Communication, Volume 19, Issue 3, March 2004,  Pages 219-238  G. Tsechpenakis, K. Rapantzikos, N. Tsapatsoulis and S. Kollias  SummaryPlus   Full Text + Links   PDF (829 K)
6.	Downregulation of N1 gene expression inhibits the initial heartbeating and heart development in axolotls • ARTICLE  Tissue and Cell, Volume 36, Issue 1, February 2004, Pages 71-81  C. Zhang, F. Meng, X. P. Huang, R. Zajdel, S. L. Lemanski, D. Foster, N. Erginel-



Laboratory goals and considerations for multiple microfossil extraction in

	archaeology • ARTICLE  Journal of Archaeological Science, Volume 30, Issue 8, August 2003, Pages 991-1008  James Coil, M. Alejandra Korstanje, Steven Archer and Christine A. Hastorf  SummaryPlus   Full Text + Links   PDF (364 K)
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16.	Relationship between cardiac protein tyrosine phosphorylation and myofibrillogenesis during axolotl heart development • ARTICLE Tissue and Cell, Volume 35, Issue 2, April 2003, Pages 133-142 F. Meng, X. P. Huang, R. W. Zajdel, D. Foster, N. Dawson, S. L. Lemanski, D. Zawieja, D. K. Dube and L. F. Lemanski  SummaryPlus   Full Text + Links   PDF (598 K)
17.	Analysis of polychlorinated biphenyls in food products • ARTICLE  TrAC Trends in Analytical Chemistry, Volume 22, Issue 3, March 2003, Pages 170-185  Farid E. Ahmed  SummaryPlus   Full Text + Links   PDF (383 K)
18.	Society for Experimental Biology Annual Main Meeting: 31st March-4th April 2002, Southhampton, UK, Abstracts • MISCELLANEOUS  Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology, Volume 134, Issue 3, Supplement 1, March 2003, Pages S1-S237  SummaryPlus   Full Text + Links   PDF (1579 K)
19.	Nail morphology studies as assessments for onychomycosis treatment modalities • ARTICLE International Journal of Pharmaceutics, Volume 245, Issues 1-2, 1 October 2002, Pages 25-36 Michael A. Repka, John O'Haver, Chun Hwa See, Kavitha Gutta and Manish Munjal SummaryPlus   Full Text + Links   PDF (1405 K)
20.	In Brief • SHORT SURVEY Trends in Biotechnology, Volume 20, Issue 9, 1 September 2002, Pages 373-374 David McKay and MartinJ. Davies SummaryPlus   Full Text + Links   PDF (41 K)
21.	An exploratory analysis of new competencies: a resource based view perspective • ARTICLE  Journal of Operations Management, Volume 20, Issue 5, September 2002, Pages 435-450 Theresa Taylor Coates and Christopher M. McDermott  SummaryPlus   Full Text + Links   PDF (128 K)
22.	The power of letters and the female body: Female literacy in Bali • ARTICLE Women's Studies International Forum, Volume 25, Issue 1, January-February 2002, Pages 79-96





39.	High-frequency sonography of the skin • ARTICLE  European Journal of Ultrasound, Volume 2, Issue 3, July 1995, Pages 173-182  Bruno D. Fornage  Abstract   Abstract + References   PDF (766 K)
40.	Deep X-ray lithography for the production of three-dimensional microstructures from metals, polymers and ceramics • ARTICLE  Radiation Physics and Chemistry, Volume 45, Issue 3, March 1995, Pages 349-365  W. Ehrfeld and H. Lehr  Abstract   Abstract + References   PDF (2654 K)
41.	Corporate story-telling: the buxomly secretary, a pyrrhic victory of the male mind • ARTICLE  Scandinavian Journal of Management, Volume 10, Issue 2, June 1994, Pages 175-191  Sabine Helmers and Regina Buhr  Abstract
42.	Analytical biotechnology • MISCELLANEOUS  Current Opinion in Biotechnology, Volume 5, Issue 1, February 1994, Pages 95-114
43.	Towards protein folding by global energy optimization • REVIEW ARTICLE FEBS Letters, Volume 325, Issues 1-2, 28 June 1993, Pages 17-22 Ruben A. Abagyan Abstract   Abstract + References   PDF (801 K)
44.	Computational procedures and energy integral for dynamic fracture in viscoplastic materials • ARTICLE  Engineering Fracture Mechanics, Volume 44, Issue 4, March 1993, Pages 591-607  R. J. DexterP. E. O'Donoghue  Abstract
45.	Differential expression of the msp130 gene among skeletal lineage cells in the sea urchin embryo: a three dimensional in situ hybridization analysis • ARTICLE Mechanisms of Development, Volume 37, Issue 3, May 1992, Pages 173-184 Michael Alan Harkey, Helen R. Whiteley and Arthur H. Whiteley Abstract
46.	A new transducer for facet force measurement in the lumbar spine: Benchmark and in vitro test results • ARTICLE  Journal of Biomechanics, Volume 25, Issue 1, January 1992, Pages 69-71  Thomas P. Hedman  Abstract
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	L4	L3 and (fingernail? same three dimensional)	17
	L3	fingernail? and three dimensional and model\$ and surface	100
	L2	fingernail? and (three dimensional with model\$)	16
	L1	nielson.in. and fingernail?	6

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Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 20060038318 A1

L1: Entry 1 of 6 File: PGPB

Feb 23, 2006

PGPUB-DOCUMENT-NUMBER: 20060038318

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060038318 A1

TITLE: A method and process of manufacturing an artificial nail blank

PUBLICATION-DATE: February 23, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nielson; Scott L. Layton UT US
Gifford; Craig P. West Jordan UT US

US-CL-CURRENT: 264/248; 264/328.8

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw. De

☐ 2. Document ID: US 20060036415 A1

L1: Entry 2 of 6 File: PGPB Feb 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060036415

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060036415 A1

TITLE: A method, process and computer program to automatically create a customized

three-dimensional nail object by welding

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nielson; Scott L. Layton UT US Gifford; Craig P. West Jordan UT US

US-CL-CURRENT: 703/2

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 3. Document ID: US 20060036414 A1

L1: Entry 3 of 6

File: PGPB

Feb 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060036414

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060036414 A1

TITLE: A method, process and computer program to automatically create a customized

three-dimensional nail object

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nielson; Scott L. Layton UT US Gifford; Craig P. West Jordan UT US

US-CL-CURRENT: 703/2

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 4. Document ID: US 20060034507 A1

L1: Entry 4 of 6 File: PGPB Feb 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060034507

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060034507 A1

TITLE: A method, process and computer program to automatically create a customized three-dimensional nail object by library reference

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nielson; Scott L. Layton UT US Gifford; Craig P. West Jordan UT US

US-CL-CURRENT: 382/154

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 5. Document ID: US 20060033758 A1

L1: Entry 5 of 6 File: PGPB Feb 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060033758

Record List Display Page 3 of 4

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060033758 A1

TITLE: A method, process and computer program to automatically create a customized

three-dimensional nail object by morphing

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nielson; Scott L. Layton UT US
Gifford; Craig P. West Jordan UT US

US-CL-CURRENT: 345/646

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw, D
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	6.	Docume	nt ID:	US 20	050175558	A1						

File: PGPB

Aug 11, 2005

PGPUB-DOCUMENT-NUMBER: 20050175558

PGPUB-FILING-TYPE: new

L1: Entry 6 of 6

DOCUMENT-IDENTIFIER: US 20050175558 A1

TITLE: Method and process for detecting a nail surface

PUBLICATION-DATE: August 11, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nielson, Scott L Layton UT US
Gifford, Craig P West Jordan UT US

US-CL-CURRENT: <u>424/61</u>; <u>382/127</u>

itle Citation Front Review Classification Date Reference Sequences Att	tachments   Claims   I
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NIELSON	3327
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FINGERNAIL?	C
FINGERNAILS	2582
((NIELSON.IN.) AND FINGERNAIL?).PGPB, USPT.	6
(NIELSON.IN. AND FINGERNAIL?).PGPB, USPT.	6

## Hit List

First Hit Clear Generate Collection Print Fwd Refs Blawd Refs Generate OACS

## Search Results - Record(s) 1 through 16 of 16 returned.

☐ 1. Document ID: US 20060036415 A1

L2: Entry 1 of 16

File: PGPB

Feb 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060036415

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060036415 A1

TITLE: A method, process and computer program to automatically create a customized

three-dimensional nail object by welding

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nielson; Scott L. Layton UT US Gifford; Craig P. West Jordan UT US

US-CL-CURRENT: 703/2

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 2. Document ID: US 20060036414 A1

L2: Entry 2 of 16 File: PGPB Feb 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060036414

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060036414 A1

TITLE: A method, process and computer program to automatically create a customized

three-dimensional nail object

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nielson; Scott L. Layton UT US Gifford; Craig P. West Jordan UT US

US-CL-CURRENT: 703/2

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Draw De

☐ 3. Document ID: US 20060034507 A1

L2: Entry 3 of 16

File: PGPB

Feb 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060034507

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060034507 A1

TITLE: A method, process and computer program to automatically create a customized

three-dimensional nail object by library reference

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nielson; Scott L. Layton UT US Gifford; Craig P. West Jordan UT US

US-CL-CURRENT: 382/154

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw De

☐ 4. Document ID: US 20060033758 A1

L2: Entry 4 of 16

File: PGPB

Feb 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060033758

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060033758 A1

TITLE: A method, process and computer program to automatically create a customized

three-dimensional nail object by morphing

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nielson; Scott L. Layton UT US Gifford; Craig P. West Jordan UT US

US-CL-CURRENT: 345/646

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw De

☐ 5. Document ID: US 20060004019 A1

L2: Entry 5 of 16

File: PGPB

Jan 5, 2006

Record List Display Page 3 of 7

PGPUB-DOCUMENT-NUMBER: 20060004019

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060004019 A1

TITLE: Steroid sparing agents and methods of using same

PUBLICATION-DATE: January 5, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Lieberburg; Ivan Berkeley CA US

US-CL-CURRENT: <u>514/253.09</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
	6	Docume	nt ID:	US 20	050260193	<b>A</b> 1						

L. 6. Document ID: US 20050260193 A

L2: Entry 6 of 16 File: PGPB

Nov 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050260193

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050260193 A1

TITLE: Steroid sparing agents and methods of using same

PUBLICATION-DATE: November 24, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Lieberburg, Ivan Berkeley CA US

US-CL-CURRENT: 424/130.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw, De
,												

## 7. Document ID: US 20050245492 A1

L2: Entry 7 of 16 File: PGPB Nov 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050245492

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050245492 A1

TITLE: Use of equol for treating skin diseases

PUBLICATION-DATE: November 3, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Lephart, Edwin Douglas Orem US UT Wheaton Lund, Trent D. US IL Cincinnati Reginald Setchell, Kenneth David US OH Handa, Robert J. Fort Collins US CO

US-CL-CURRENT: 514/170

Review Classification Date Reference Sequences Attachments Claims Title Citation Front 8. Document ID: US 20050089890 A1 Apr 28, 2005 L2: Entry 8 of 16 File: PGPB

PGPUB-DOCUMENT-NUMBER: 20050089890

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050089890 A1

TITLE: Multimolecular devices and drug delivery systems

PUBLICATION-DATE: April 28, 2005

INVENTOR-INFORMATION:

CITY STATE COUNTRY NAME

Montclair Cubicciotti, Roger S. US NJ

US-CL-CURRENT: 435/6; 530/395

Full Title Citation Front Review Classifica	tion Date R	eference	Sequences	Attachments	Claims	KOME	Drawi De
☐ 9. Document ID: US 200401433	359 A1	mana agerone min	nontivinte disense de mante d				Malada da santa anti-anti-anti-anti-anti-anti-anti-anti-
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PGPUB-DOCUMENT-NUMBER: 20040143359

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040143359 A1

TITLE: System and process for creating custom fit artificial fingernails using a

non-contact optical measuring device

PUBLICATION-DATE: July 22, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Yogo, Teruaki Seto JP MI Li, Yong LaSalle ÇA Hoki, Kazuhiro Canton US

US-CL-CURRENT: 700/161; 700/117

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw De

☐ 10. Document ID: US 20040053272 A1

L2: Entry 10 of 16

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040053272

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040053272 A1

TITLE: Methods of constructing a model of cellular development and differentiation using homozygous stem cell systems, methods of assessing and cataloging proteins expressed therein, cDNA libraries generated therefrom, and materials and methods using same

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Huang, Steven Chien-Wen Germantown MD US
Lin, Hua (Helen) North Potomac MD US

US-CL-CURRENT: 435/6; 435/366, 435/455, 435/7.2

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw. De

☐ 11. Document ID: US 20030063102 A1

L2: Entry 11 of 16 File: PGPB

PGPUB-DOCUMENT-NUMBER: 20030063102

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030063102 A1

TITLE: Body image enhancement

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Rubinstenn, Gilles Paris FR
Pruche, Frances Senlis FR

US-CL-CURRENT: 345/619

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 12. Document ID: US 20030013994 A1

L2: Entry 12 of 16

File: PGPB

Jan 16, 2003

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030013994

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030013994 A1

TITLE: Methods and systems for generating a prognosis

PUBLICATION-DATE: January 16, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Rubinstenn, Gilles Paris FR
Pruche, Francis Senlis FR

US-CL-CURRENT: 600/587

a De

☐ 13. Document ID: US 20020034757 A1

L2: Entry 13 of 16 File: PGPB Mar 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020034757

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020034757 A1

TITLE: Single-molecule selection methods and compositions therefrom

PUBLICATION-DATE: March 21, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Cubicciotti, Roger S. Montclair NJ US

US-CL-CURRENT: 435/6; 435/91.2, 536/22.1, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De

☐ 14. Document ID: US 20010042552 A1

L2: Entry 14 of 16 File: PGPB Nov 22, 2001

PGPUB-DOCUMENT-NUMBER: 20010042552

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010042552 A1

TITLE: Personal holograph nails

PUBLICATION-DATE: November 22, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Dempsey, Lori Ann

Plant City

FL

US

Dempsey, Brian W.

Plant City

FL

US

US-CL-CURRENT: <u>132/73</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Draw Do

☐ 15. Document ID: US 6762025 B2

L2: Entry 15 of 16

File: USPT

Jul 13, 2004

US-PAT-NO: 6762025

DOCUMENT-IDENTIFIER: US 6762025 B2

TITLE: Single-molecule selection methods and compositions therefrom

DATE-ISSUED: July 13, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Cubicciotti; Roger S.

Montclair

NJ

US-CL-CURRENT: 435/6; 435/91.2, 536/22.1, 536/23.1, 536/24.3, 536/24.5

Full

## Hit List

Bkwd Refs Generate Collection Print Fwd Refs : First Hit Clear Generate OACS

Search Results - Record(s) 1 through 17 of 17 returned.

1. Document ID: US 20060036415 A1

L4: Entry 1 of 17

File: PGPB

Feb 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060036415

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060036415 A1

TITLE: A method, process and computer program to automatically create a customized

three-dimensional nail object by welding

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nielson; Scott L. Layton UT US

Gifford; Craig P. West Jordan UT US

US-CL-CURRENT: 703/2

Date Reference Sequences Attachments Claims Classification Citation Front Review

☐ 2. Document ID: US 20060036414 A1

L4: Entry 2 of 17

Feb 16, 2006 File: PGPB

PGPUB-DOCUMENT-NUMBER: 20060036414

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060036414 A1

TITLE: A method, process and computer program to automatically create a customized

three-dimensional nail object

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nielson; Scott L. Layton UT US

Gifford; Craig P. West Jordan UT US

US-CL-CURRENT: 703/2

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 3. Document ID: US 20060034507 A1

L4: Entry 3 of 17

File: PGPB

Feb 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060034507

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060034507 A1

TITLE: A method, process and computer program to automatically create a customized

three-dimensional nail object by library reference

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nielson; Scott L. Layton UT US Gifford; Craig P. West Jordan UT US

US-CL-CURRENT: 382/154

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims 1990 Draw De

☐ 4. Document ID: US 20060033758 A1

L4: Entry 4 of 17

File: PGPB

Feb 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060033758

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060033758 A1

TITLE: A method, process and computer program to automatically create a customized

three-dimensional nail object by morphing

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Nielson; Scott L. Layton UT US

Gifford; Craig P. West Jordan UT US

US-CL-CURRENT: <u>345/646</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw De

☐ 5. Document ID: US 20060033713 A1

L4: Entry 5 of 17

File: PGPB

Feb 16, 2006

Record List Display Page 3 of 8

PGPUB-DOCUMENT-NUMBER: 20060033713

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060033713 A1

TITLE: Interactive video based games using objects sensed by TV cameras

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Pryor; Timothy R.

Tecumseh

 $\mathsf{C}\mathsf{A}$ 

US-CL-CURRENT: <u>345/158</u>; <u>345/156</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 6. Document ID: US 20050139669 A1

L4: Entry 6 of 17

File: PGPB

Jun 30, 2005

PGPUB-DOCUMENT-NUMBER: 20050139669

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050139669 A1

TITLE: Dual-sided smart card reader

PUBLICATION-DATE: June 30, 2005

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Arnouse, Michael

Old Brookville

NY

US

US-CL-CURRENT: 235/440; 235/441

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 7. Document ID: US 20050139656 A1

L4: Entry 7 of 17

File: PGPB

Jun 30, 2005

PGPUB-DOCUMENT-NUMBER: 20050139656

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050139656 A1

TITLE: Dual-sided smart card reader

PUBLICATION-DATE: June 30, 2005

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Arnouse, Michael

Old Brookville

NY

US

US-CL-CURRENT: 235/382; 235/441

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims 10MC Draw De

□ 8. Document ID: US 20040143359 A1

L4: Entry 8 of 17

File: PGPB

Jul 22, 2004

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040143359

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040143359 A1

TITLE: System and process for creating custom fit artificial fingernails using a

non-contact optical measuring device

PUBLICATION-DATE: July 22, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Yogo, Teruaki Seto MI JP
Li, Yong LaSalle CA
Hoki, Kazuhiro Canton US

US-CL-CURRENT: 700/161; 700/117

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw De

File: PGPB

☐ 9. Document ID: US 20040133275 A1

PGPUB-DOCUMENT-NUMBER: 20040133275 PGPUB-FILING-TYPE: new

L4: Entry 9 of 17

DOCUMENT-IDENTIFIER: US 20040133275 A1

TITLE: Implants for replacing cartilage, with negatively-charged hydrogel surfaces

and flexible matrix reinforcement

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Mansmann, Kevin A. Paoli PA US

US-CL-CURRENT: 623/14.12; 623/23.5, 623/23.51

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw De

☐ 10. Document ID: US 20040046736 A1

L4: Entry 10 of 17

File: PGPB

Mar 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040046736

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040046736 A1

TITLE: Novel man machine interfaces and applications

PUBLICATION-DATE: March 11, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Pryor, Timothy R. Tecumseh MI CA
Smith, Peter Ann Arbor US

US-CL-CURRENT: <u>345/156</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 11. Document ID: US 20020036617 A1

L4: Entry 11 of 17

File: PGPB Mar 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020036617

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020036617 A1

TITLE: NOVEL MAN MACHINE INTERFACES AND APPLICATIONS

PUBLICATION-DATE: March 28, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

PRYOR, TIMOTHY R. ONTARIO CA

US-CL-CURRENT: 345/156

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 12. Document ID: US 20020022884 A1

L4: Entry 12 of 17 File: PGPB Feb 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020022884

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020022884 A1

TITLE: Meniscus-type implant with hydrogel surface reinforced by three-dimensional

mesh

PUBLICATION-DATE: February 21, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Mansmann, Kevin A. Paoli PA US

US-CL-CURRENT: 623/14.12; 623/23.51, 623/908

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

13. Document ID: US 20010042552 A1

L4: Entry 13 of 17 File: PGPB Nov 22, 2001

PGPUB-DOCUMENT-NUMBER: 20010042552

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010042552 A1

TITLE: Personal holograph nails

PUBLICATION-DATE: November 22, 2001

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Dempsey, Lori Ann Plant City FL US

Dempsey, Brian W. Plant City FL US

US-CL-CURRENT: 132/73

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 14. Document ID: US 7042440 B2

L4: Entry 14 of 17 File: USPT May 9, 2006

US-PAT-NO: 7042440

DOCUMENT-IDENTIFIER: US 7042440 B2

TITLE: Man machine interfaces and applications

DATE-ISSUED: May 9, 2006

PRIOR-PUBLICATION:

DOC-ID DATE

US 20040046736 A1 March 11, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

☐ 17. Document ID: US 6629997 B2

L4: Entry 17 of 17

File: USPT

Oct 7, 2003

US-PAT-NO: 6629997 .

DOCUMENT-IDENTIFIER: US 6629997 B2

TITLE: Meniscus-type implant with hydrogel surface reinforced by three-dimensional

mesh

DATE-ISSUED: October 7, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Mansmann; Kevin A. Paoli PA 19301

US-CL-CURRENT: 623/14.12

Term	Documents
THREE	2289421
THREES	1267
DIMENSIONAL	492326
DIMENSIONALS	50
FINGERNAIL?	C
FINGERNAILS	2582
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(L3 AND (FINGERNAIL? SAME THREE DIMENSIONAL) ).PGPB,USPT.	17

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